



PATENT #9
ber 4239-58054

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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e application of: Kovacs et al.

Art Unit: 1645

MAY 1 4 2002

Application No. 09/762,724

Filed: February 9, 2001

For: IDENTIFICATION OF A REGION OF THE

MAJOR SURFACE GLYCOPROTEIN (MSG)

GENE OF HUMAN PNEUMOCYSTIS

**CARINII** 

Examiner: Not yet assigned

Date: May 30, 2001

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service on May 30, 2001, as First Class Mail in an envelope addressed to: OFFICE OF INITIAL PATENT EXAMINATION, CUSTOMER SERVICE

CENTER, COMMISSIONER FOR PATENTS,

WASHINGTON D.C. 20231.

Tanya M. Harding, Ph.D Attorney for Applicant

## TRANSMITTAL LETTER

OFFICE OF INITIAL PATENT EXAMINATION CUSTOMER SERVICE CENTER COMMISSIONER FOR PATENTS WASHINGTON, DC 20231

Enclosed for filing in the application referenced above are the following:

Request for Correction of Official Filing Receipt

Exhibit A

The Director is hereby authorized to charge any fees that may be required to Account No. 02-4550. A copy of this sheet is enclosed.

Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

KLARQUIST SPARKMAN CAMPBELL

LEIGH & WHINSTON, LLP

By

Tanya M. Harding, Ph.D. Registration No. 42,630

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cc:

Docketing



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MAY 1 4 PANDENT Attorney Reference No. 4239-58054

**TECH CENTER 1600/2900** 

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Referrit Application of: Kovacs et al.,

Application No. 09/762,724

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For: IDENTIFICATION OF A REGION OF THE MAJOR SURFACE GLYCOPROTEIN

(MSG) GENE OF HUMAN PNEUMOCYSTIS

**CARINII** 

Art Unit: 1645

Examiner: Not yet assigned

Date: May 30, 2001

#### CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper or fee referred to as being attached or enclosed) is being deposited with the United States Postal Service on 5/30/2001 as First Class Mail in an envelope addressed to: Office of Initial Patent Examination Customer Service Center, COMMISSIONER FOR PATENTS, Washington, DC 20231.

Tanya M. Harding, Ph.D. Attorney for Applicant(s)

## REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Office of Initial Patent Examination Customer Service Center COMMISSIONER FOR PATENTS Washington, DC 20231

Sir:

Applicants have received the official Filing Receipt for the application referenced above, a copy of which (with requested correction shown in red ink) is attached as Exhibit A.

The following errors appears on the Filing Receipt:

- 1) Inventor Gill's name is incorrectly identified as "Vee J. `Gill'. Please correct to read --Vee J. Gill--.
- 2) The title of the application has a typographical error. Please correct the title of the application to read --Identification of a region of the major surface glycoprotein (msg) gene of human pneumocystis carinii--.

TMH:jlb 05/30/01 4239-58054 53413

This request is being submitted within ten days of receipt of the official Filing Receipt by the undersigned attorney.

Applicants request that the identified errors be corrected and that a new official Filing Receipt be issued.

Please call the undersigned if any further information is required.

Respectfully submitted,

KLARQUIST SPARKMAN CAMPBELL LEIGH & WHINSTON, LLP

Tanya M. Harding, Ph.D. Registration No. 42,630

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/762.724	02/09/2001	1645	1620	4239-58054		45	9

**CONFIRMATION NO. 7526** 

24197 KLARQUIST SPARKMAN CAMPBELL LEIGH & WHINSTON, LLP 121 SW SALMON STREET SUITE 1600 PORTLAND, OR 97204-9446 FILING RECEIPT

\*OC0000000000668133\*

Date Mailed: 05/11/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Joseph A. Kovacs, Potomac, MD; Shengning Huang, N. Potomac, MD; Henry Masur, Bethesda, MD; Steven H. Fischer, Rockville, MD; Vee J. `Gill; Potomac, MD; Qin Mei, North Wales, PA;

vee J. Gill

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/US99/18750 08/17/1999 WHICH CLAIMS BENEFIT OF 60/096,805 08/17/1998

Foreign Applications

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No



Title

Identification of a region of the major surface glycoprotein (msg) gene of human pneumocystiscarinii-

Preliminary Class

435

Data entry by: NGUYEN, SON

Team: OIPE

Date: 05/11/2001



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TECH CENTER 1600/2900

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# PLEASE NOTE the following information about the Filing Receipt:

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
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- The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
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- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents Office of Initial Patent Examination Customer Service Center Washington, DC 20231

### (57) Abstract

Particularly sensitive techniques for the detection of *P. carinii* in clinical samples are disclosed. These techniques relate to the PCR amplification and/or detection of human–*P. carinii* major surface glycoprotein (*MSG*) gene sequences. Also disclosed are seven novel genes encoding human–*P. carinii* MSG, and the proteins encoded for by these genes. These genes provide proof that human–*P. carinii* MSG is encoded for by a highly conserved gene family, and that the corresponding proteins have a very highly conserved region of about 100 amino acids near their C-terminal end. This highly conserved carboxy-terminal region has a significantly different sequence than that found in rat-derived MSG.